

Advances In Vasopressin And Oxytocin From Genes To Behaviour To Disease Volume 170 Progress In Brain Research

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Molecular Neuroendocrinology - David Murphy 2016-03-07

Molecular Neuroendocrinology: From Genome to Physiology, provides researchers and students with a critical examination of the steps being taken to decipher genome complexity in the context of the expression, regulation and physiological functions of genes in neuroendocrine systems. The 19 chapters are divided into four sectors: A) describes and explores the genome, its evolution, expression and the mechanisms that contribute to protein, and hence biological, diversity. B) discusses the mechanisms that enhance peptide and protein diversity beyond what is encoded in the genome through post-translational modification. C) considers the molecular tools that today's neuroendocrinologists can use to study the regulation and function of neuroendocrine genes within the context of the intact organism. D) presents a range of case studies that exemplify the state-of-the-art application of genomic technologies in physiological and behavioural experiments that seek to better understand complex biological processes. • Written by a team of internationally renowned researchers • Both print and enhanced e-book versions are available • Illustrated in full colour throughout This is the third volume in a new Series 'Masterclass in Neuroendocrinology', a co- publication between Wiley and the INF (International Neuroendocrine Federation) that aims to illustrate highest standards and encourage the use of the latest technologies in basic and clinical research and hopes to provide inspiration for further exploration into the exciting field of neuroendocrinology. Series Editors: John A. Russell, University of Edinburgh, UK and William E. Armstrong, The University of Tennessee, USA

Social Cognition and Metacognition in Schizophrenia - Paul Lysaker 2014-07-04

Deficits in social cognition and metacognition in schizophrenics makes it difficult for them to understand the speech, facial expressions and hence emotion and intention of others, as well as allowing little insight into their own mental state. These deficits are associated with poor social skills, fewer social relationships, and are predictive of poorer performance in a work setting. Social Cognition and Metacognition in Schizophrenia reviews recent research advances focusing on the precise nature of these deficits, when and how they manifest themselves, what their effect is on the course of schizophrenia, and how each can be treated. These deficits may themselves be why schizophrenia is so difficult to resolve; by focusing on the deficits, recovery may be quicker and long lasting. This book discusses such deficits in early onset, first episode, and prolonged schizophrenia; how the deficits relate to each other and to other forms of psychopathology; how the deficits affect social, psychological, and vocational functioning; and how best to treat the deficits in either individual or group settings. Summarizes the types of social cognitive and metacognitive deficits present in schizophrenia Discusses how deficits are related to each other and to other forms of psychopathology Describes how deficits impact function and affect the recovery process Provides treatment approaches for these deficits

Advances in Brain Vasopressin - I.J.A. Urban 1999-02-16

Advances in Brain Vasopressin elucidates the functions of the regulatory peptide vasopressin in the nervous system, and reviews the current status of this field at different levels. It deals with the cell biology and

anatomy of the neurons that produce vasopressin in the brain, and provides an overview on the receptors of vasopressin and the signal transduction pathways that they activate, including the cellular responses that are triggered by vasopressin. Reviews are presented on the modulation of behavior induced by vasopressin in a number of different contexts, such as sex-linked and steroid-dependent behaviors, social behaviors, and learning and memory. Furthermore, the volume deals with several controversial issues in the field by presenting overlapping chapters from different research groups in order to provide the reader with current views. Highly relevant and useful, for those working on this "first" neuropeptide, and for young investigators entering the field, and in addition, shows how important a multidisciplinary approach is to unravelling the function of a neuropeptide in the brain.

Advances in Genetics - 1992-01-21

Advances in Genetics

Oxytocin, Vasopressin and Related Peptides in the Regulation of Behavior - Elena Choleris 2013-04-11

A comparative overview of the effects of neuropeptides on behavior, examining parallel findings in both humans and non-human animals.

Brain Protection in Schizophrenia, Mood and Cognitive Disorders - Michael S. Ritsner 2010-06-16

Neuroprotection is a novel perspective for the treatment of disorders that lead to neurodegeneration and disabilities as a result of deterioration of neurons due to apoptosis, oxidative stress, excitotoxicity, and other mechanisms. These mechanisms have implications not only for neurodegenerative disorders, but also for schizophrenia, mood and cognitive disorders. The purpose of this book is to provide an up-to-date overview of basic and clinical studies concerning the neuroprotective approach, mechanisms, and several compounds with neuroprotective properties that may contribute to more efficacious treatment of major mental health disorders. The book is divided into two sections. The first section serves as an introduction and overview of conceptual issues of the neuroprotective approach, and some neurobiological advances. Chapters in this section review definitions, perspectives, and issues that provide a conceptual base for the rest of the book. In addition, this part includes chapters in which the authors present and discuss the findings from basic studies of neurodegenerative mechanisms that are associated with the pathogenesis of major mental health disorders. The second section focuses on findings obtained from clinical trials with neuroprotective compounds, and neuromodulatory techniques. The take-home message is that principles of the neuroprotective approach may be applied to treatment of schizophrenia, mood and cognitive disorders. Contributors to this book are among the most active investigators and clinicians in the field who provide new perspectives not only clarifying ongoing controversies but also propose diverse aspects and new insights to neuroprotection. This book is intended for a broad readership, which includes a broad spectrum of readers including neuroscientists, psychiatrists, neurologists, pharmacologists, clinical psychologists, general practitioners, geriatricians, graduate students, and policy makers in the fields of mental health.

Comprehensive Human Physiology - Rainer Greger 2013-11-11

Comprehensive Human Physiology is a significantly important publication on physiology, presenting state-

of-the-art knowledge about both the molecular mechanisms and the integrative regulation of body functions. This is the first time that such a broad range of perspectives on physiology have been combined to provide a unified overview of the field. This groundbreaking two-volume set reveals human physiology to be a highly dynamic science rooted in the ever-continuing process of learning more about life. Each chapter contains a wealth of original data, clear illustrations, and extensive references, making this a valuable and easy-to-use reference. This is the quintessential reference work in the fields of physiology and pathophysiology, essential reading for researchers, lecturers and advanced students.

Hormones, Regulators and Hippocampus - Gerald Litwack 2022-02-25

Hormones, Regulators and Hippocampus, Volume 118 in the Vitamins and Hormones serial highlights new advances in the field, with this new volume presenting interesting chapters, including Thyroid hormone regulation of adult hippocampal neurogenesis - putative molecular and cellular mechanisms, Synergistic gene regulation by thyroid hormone and glucocorticoid in the hippocampus, Oxytocin and vasopressin in the hippocampus, Steroid hormones and hippocampal neurogenesis in the adult mammalian brain, Steroidogenic enzymes in the hippocampus: transcriptional regulation aspects, Ectonucleotidases in the hippocampus: spatial distribution and expression after ovariectomy and estradiol replacement, and much more. Provides the authority and expertise of leading contributors from an international board of authors. Presents the latest release in the Vitamins and Hormones serials. Updated release includes the latest information on Hormones, Regulators and Hippocampus.

Binge Eating - Guido K.W. Frank 2020-06-01

This book provides a comprehensive overview of our current understanding of binge eating, which is characterized by the uncontrollable consumption of large amounts of food in a discrete time period. Written by experts on eating disorders, it first introduces the phenotype of binge eating, including its epidemiology and assessment. It then describes the underlying neurobiological alterations, drawing on cutting-edge animal models and human studies to do so. In addition, it extensively discusses current treatment models, including medication, psychotherapy, self-interventions and disease prevention. Lastly, an outlook on the future research agenda rounds out the coverage. Given binge eating's current status as an under-researched symptom, but one shared across many eating disorders, this book provides an up-to-date, integrative and comprehensive synthesis of recent research and offers a valuable reference for scientists and clinicians alike.

Serotonin-Dopamine Interaction: Experimental Evidence and Therapeutic Relevance - Giuseppe Di Giovanni 2008-09-26

This book provides a unique and timely multidisciplinary synthesis of our current knowledge of the anatomy, pharmacology, physiology and behavioral data of the serotonin (5-HT)-dopamine (DA) interactions. Central serotonergic and dopaminergic systems play a critical role in the regulation of normal and abnormal behaviors. Moreover, recent evidence suggests that the dysfunction of the DA and 5-HT neurotransmitter systems contribute to various mental disorders including depression, schizophrenia, drug addiction and Parkinson's disease. This extremely important topic is of wide interest within the scientific community, with relevance not only to specialists but also to general practitioners and students. The book provides a valuable contribution to the debate on new pharmacological approaches for several psychopathological states, with contributions from expert neuroscientists and pharmacologists who comprehensively survey the most significant currently active areas of dopamine/serotonin interactions. * Provides an understanding of the interaction between Serotonin and Dopamine. * Appeals equally to specialists, general practitioners, students and researchers. * Contributes to the debate on new pharmacological approaches to several psychopathological states * Gives a comprehensive anatomical description plus the physiology and pharmacology of dopaminergic and serotonergic systems * Singles out neuropsychiatric and suggests new therapeutic approaches.

The Evolution of Sexuality - Todd K. Shackelford 2014-09-12

Attraction, mating, reproduction: it is a given that as a species, human beings are concerned with sex. And whether the study compares sexual behaviors of men and women or considers the proportions between nature and nurture, most roads lead back to our distant ancestors and/or our fellow animals. The Evolution of Sexuality collects stimulating new empirical findings and theoretical concepts regarding both familiar

themes and emerging areas of interest. Following earlier titles in this series, an interdisciplinary panel of contributors examines topics specific to the whys of male and female sex-related behavior, here ranging from biological bases for male same-sex attraction to the seemingly elusive purpose of the female orgasm. This vantage point between biology and psychology gives readers profound insights not just into human differences and similarities, but also why they continue to matter despite our vast understanding of culture and socialization. And intriguing dispatches from the humanities review sexual themes in classic works of literature and explore the role of parent-offspring conflict in the English Revolution of the seventeenth century. Among the topics covered: Sexual conflict and evolutionary psychology: toward a unified framework. Assortative mating, caste, and class. The functional design and phylogeny of female sexuality. Is oral sex a form of mate retention behavior? Two behavioral hypotheses for the evolution of male homosexuality in humans. Sperm competition and the evolution of human sexuality. The Evolution of Sexuality will attract evolutionary scientists across a variety of disciplines. Faculty, graduate and undergraduate students, and researchers interested in sexuality will find it a springboard for discussion, debate, and further study.

Neurotherapy - Joost Verhaagen 2009-09-14

This book focuses on the exciting recent progress in restorative neurology and neuroscience. The book includes chapters on major neurodegenerative disorders of the brain and the visual system, including Parkinson's disease, Alzheimer's disease, amyotrophic lateral sclerosis, Huntington's disease, macular degeneration, retinitis pigmentosa, glaucoma, spinal cord trauma, and multiple sclerosis. The primary goal of the book is to give an overview of new developments in translational research and in potential therapeutic strategies, including stem cell therapy, immunotherapy, gene therapy, pharmacotherapy, neuroprostheses and deep brain stimulation. * Provides the reader with a unique overview over all aspects of new advances in the therapy of neurological and psychiatric disorders * Covers all levels of biological organization including novel molecular and cellular targets, electrophysiological, anatomical and behavioural substrates of neurodegeneration and the application of whole brain in vivo imaging * Broad focus with contributions by the top scientists worldwide in the respective disciplines

Posterior Pituitary Hormones—Advances in Research and Application: 2013 Edition - 2013-06-21
Posterior Pituitary Hormones—Advances in Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Vasopressins. The editors have built Posterior Pituitary Hormones—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Vasopressins in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Posterior Pituitary Hormones—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Vasopressin and Oxytocin - Hans H. Zingg 2012-12-06

This monograph provides a comprehensive overview of recent advances in the field of vasopressin and oxytocin. In the summer of 1997, scientists from over 20 countries congregated in Montreal for the 1997 World Congress of Neurohypophysial Hormones, a conference that united the fields of vasopressin, neurohypophysis and oxytocin in a single joint meeting that gave rise to the present book. The organization of a joint meeting was prompted by several recent developments. Specifically the molecular characterization of the vasopressin/oxytocin receptor family made it mandatory to adopt an integrated view and to discuss the vasopressin/oxytocin ligand/receptor family as a whole. To ensure emphasis on novelty, the conference focused on advances made over the last two years and also included important contributions by scientists that had not previously been associated with the vasopressin/oxytocin field. Vasopressin and oxytocin are two neurohormones that exert a wide spectrum of central and peripheral actions. Accordingly, the vasopressin/oxytocin field embraces a large number of different domains, ranging from neuroscience, endocrinology, and oncology to renal, reproductive, and cardiovascular physiology and pathology.

Handbook of Biologically Active Peptides - Abba Kastin 2011-04-28

Peptides play a crucial role in many physiological processes including actions as neurotransmitters, hormones, and antibiotics. Research has shown their importance in such fields as neuroscience, immunology, pharmacology, and cell biology. The Handbook of Biologically Active Peptides presents, for the first time, this tremendous body of knowledge in the field of biologically active peptides in one single reference. The section editors and contributors represent some of the most sophisticated and distinguished scientists working in basic sciences and clinical medicine. The Handbook of Biologically Active Peptides is a definitive, all-encompassing reference that will be indispensable for individuals ranging from peptide researchers, to biochemists, cell and molecular biologists, neuroscientists, pharmacologists, and to endocrinologists. Chapters are designed to be a source for workers in the field and will enable researchers working in a specific area to examine other related areas with which they would not ordinarily be familiar. *Chapters are designed to be a source for workers in the field and will enable researchers working in a specific area to examine other related areas that they would not ordinarily be familiar. *Fascinating relationships described in the book include the presence of some peptides originally found in frog skin that persist in the human human and brain where they can affect food intake and obesity.

Advances in Vasopressin and Oxytocin - From Genes to Behaviour to Disease - Rainer Landgraf 2008-09-10

Vasopressin and oxytocin are the key hormones of the hypothalamo-neurohypophysial system, and are well-known to be critically involved in antidiuresis, labor, and milk ejection. This book highlights the latest research on vasopressin and oxytocin, covering multiple biological aspects. The capacity of both hormones to regulate various aspects of social behaviours including pair-bonding, aggression, maternal love, and sexual behaviour, is a main focus, as are their interactions with a variety of other neuromodulators and transmitters. Moreover, the book illustrates the recent development of vasopressin and oxytocin agonists/antagonists as potential drugs to treat not only disturbances of body fluid homeostasis, but also mental disorders, including social phobia, autism, anxiety, and depression. The promising combination of basic and clinical research, comprising physiology, neuroendocrinology, behavioral biology, pharmacology, imaging and molecular genetics makes this book an essential addition to both experts and scientists new to the field alike. • Comprehensive review of OXT and AVP physiology and behaviour • Each chapter covers a novel aspect of OXT and AVP research and is written by a leading expert • Review articles are ideal for experts and newcomers to the field alike • Discusses fascinating behavioural effects of oxytocin and vasopressin • Summarizes the recent explosion of neuropeptide research, physiology and behaviour, is in one location

Genetics of Epilepsy - 2014-09-04

The book chapters cover different aspects of epilepsy genetics, starting with the "classical" concept of epilepsies as ion channel disorders. The second part of the book gives credit to the fact that by now non-ion channel genes are recognized as equally important causes of epilepsy. The concluding chapters are designed to offer the reader insight into current methods in epilepsy research. Each chapter is self-contained and deals with a selected topic of interest. Authors are the leading experts in the field of epilepsy research. Book covers the most important aspects of epilepsy Interesting for both scientists and clinicians

Pediatric Endocrinology - Mark A. Sperling 2008-06-05

Completely updated, the new edition of this easy-to-reference text examines the physiological, biochemical, and genetic aspects of pediatric endocrine disorders. Leaders in the field discuss the hottest topics—including genetics, diabetes and obesity—impacting today's endocrine practice, keeping you up to date. A user-friendly organization speeds you to the information you need, and conceptual illustrations and photographs depict the latest advances with consistency and clarity. It's the guidance you need to provide effective, state-of-the-art care for your pediatric and neonatal patients. Examines the physiological, biochemical, and genetic aspects of endocrine disorders all in one convenient reference. Incorporates the importance of molecular biology as it relates to developmental and pediatric endocrinology. Offers expanded coverage of genetics, diabetes and obesity—topics of increasing concern in pediatric endocrinology today. Presents the work of many new contributors for fresh perspectives on the current state of pediatric endocrinology. Provides new tables of normal values and growth charts for monitoring

your patients' progress. Concepts, Endocrine Disorders of the Newborn, Endocrine Disorders of Childhood and Adolescence, and Laboratory Tests and Imaging—making the material easy to navigate.

Advances in Experimental Social Psychology - 2011-08-03

Advances in Experimental Social Psychology continues to be one of the most sought after and most often cited series in this field. Containing contributions of major empirical and theoretical interest, this series represents the best and the brightest in new research, theory, and practice in social psychology. This serial is part of the Social Sciences package on ScienceDirect. Visit info.sciencedirect.com for more information. Advances Experimental Social Psychology is available online on ScienceDirect — full-text online of volume 32 onward. Elsevier book series on ScienceDirect gives multiple users throughout an institution simultaneous online access to an important complement to primary research. Digital delivery ensures users reliable, 24-hour access to the latest peer-reviewed content. The Elsevier book series are compiled and written by the most highly regarded authors in their fields and are selected from across the globe using Elsevier's extensive researcher network. For more information about the Elsevier Book Series on ScienceDirect Program, please visit: info.sciencedirect.com/bookseries/ One of the most sought after and most often cited series in this field Contains contributions of major empirical and theoretical interest This series represents the best and the brightest in new research, theory, and practice in social psychology [Personalized Food Intervention and Therapy for Autism Spectrum Disorder Management](#) - M. Mohamed Essa 2020-01-31

The book focuses on implications of traditional and processed foods for autism spectrum disorder (ASD) intervention and management. Numerous phytonutrients and pharmacologically active compounds in edible natural products and diet could influence and offer protection to neuronal dysfunction that occurs due to ASD. The neuroprotective effects of various fruits, vegetables, nuts and seeds phytochemicals, and other natural bioactive ingredients against ASD and related conditions are discussed. Topics such as the possible neuroprotective mechanism of action of these foods and the therapeutic role of antioxidants in relation to ASD are addressed. This book also highlights the scope of using anti-inflammatory agents and antioxidants to promote neurogenesis and improve other symptoms in ASD. It emphasizes personalized nutritional approaches with dietary management of neurodevelopmental disorders/ASD cases. Information in this book is relevant to researchers in the field of complementary and alternative medicine, nutraceuticals, neuroscience, agriculture, nutrition, and food science. This volume is beneficial to students of varying levels, and across multiple disciplines.

Pituitary Hormone Receptors—Advances in Research and Application: 2013 Edition - 2013-06-21

Pituitary Hormone Receptors—Advances in Research and Application: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Thyrotropin Receptors in a concise format. The editors have built *Pituitary Hormone Receptors—Advances in Research and Application: 2013 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about Thyrotropin Receptors in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of *Pituitary Hormone Receptors—Advances in Research and Application: 2013 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Recent Advances in Basic and Clinical Neuroendocrinology - European Neuroendocrine Association. Meeting 1989

The Pituitary - Shlomo Melmed 2010-12-09

The pituitary, albeit a small gland, is known as the "master gland" of the endocrine system and contributes to a wide spectrum of disorders, diseases, and syndromes. Since the publication of the second edition of *The Pituitary*, in 2002, there have been major advances in the molecular biology research of pituitary hormone production and action and there is now a better understanding of the pathogenesis of pituitary tumors and clinical syndromes resulting in perturbation of pituitary function. There have also been major

advances in the clinical management of pituitary disorders. Medical researchers and practitioners now better understand the morbidity and mortality associated with pituitary hormone hyposecretion and hypersecretion. Newly developed drugs, and improved methods of delivering established drugs, are allowing better medical management of acromegaly and prolactinoma. These developments have improved the worldwide consensus around the definition of a "cure" for pituitary disease, especially hormone hypersecretion, and hence will improve the success or lack of success of various forms of therapy. It is therefore time for a new edition of *The Pituitary*. The third edition will continue to be divided into sections that summarize normal hypothalamic-pituitary development and function, hypothalamic-pituitary failure, and pituitary tumors; additional sections will describe pituitary disease in systemic disorders and diagnostic procedures, including imaging, assessment of the eyes, and biochemical testing. The first chapter will be completely new – placing a much greater emphasis on physiology and pathogenesis. Two new chapters will be added on the Radiation and Non-surgical Management of the Pituitary and Other Pituitary Lesions. Other chapters will be completely updated and many new author teams will be invited. The second edition published in 2002 and there have been incredible changes in both the research and clinical aspects of the pituitary over the past 8 years – from new advances in growth hormones to pituitary tumor therapy. Presents a comprehensive, translational source of information about the pituitary in one reference work. Pituitary experts (from all areas of research and practice) take readers from the bench research (cellular and molecular mechanism), through genomic and proteomic analysis, all the way to clinical analysis (histopathology and imaging) and new therapeutic approaches. Clear presentation by endocrine researchers of the cellular and molecular mechanisms underlying pituitary hormones and growth factors as well as new techniques used in detecting lesions (within the organ) and other systemic disorders. Clear presentation by endocrinologists and neuroendocrine surgeons of how imaging, assessment of the eyes, and biochemical testing can lead to new therapeutic approaches.

Genetic Models of Schizophrenia - Akira Sawa 2009-11-10

This is a well-established international series that examines major areas of basic and clinical research within neuroscience (as well as emerging and promising subfields): neuroanatomy, neurophysiology, neuroimaging, neurobiology, neuropharmacology, neuroendocrinology, neuropathology, neuropsychiatry, and neurobehavior. This volume provides a thorough treatment of gene models of schizophrenia, presenting articles from leading contributors in this important area.

DNA and Cell Biology - 1991

Gene Expression to Neurobiology and Behaviour - 2011-04-21

How does the genome, interacting with the multi-faceted environment, translate into the development by which the human brain achieves its astonishing, adaptive array of cognitive and behavioral capacities? Why and how does this process sometimes lead to neurodevelopmental disorders with a major, lifelong personal and social impact? This volume of *Progress in Brain Research* links findings on the structural development of the human brain, the expression of genes in behavioral and cognitive phenotypes, environmental effects on brain development, and developmental processes in perception, action, attention, cognitive control, social cognition, and language, in an attempt to answer these questions. Leading authors review the state-of-the-art in their field of investigation and provide their views and perspectives for future research. Chapters are extensively referenced to provide readers with a comprehensive list of resources on the topics covered. All chapters include comprehensive background information and are written in a clear form that is also accessible to the non-specialist.

Advanced Social Psychology - Roy F. Baumeister 2010-06-28

Social psychology is a flourishing discipline. It explores the most essential questions of the human psyche (e.g., Why do people help or harm others? How do influence professionals get us to do what they want, and how can we inoculate ourselves against their sometimes-insidious persuasion tactics? Why do social relationships exert such powerful effects on people's physical health?), and it does so with clever, ingenuitive research methods. This edited volume is a textbook for advanced social psychology courses. Its primary target audience is first-year graduate students (MA or PhD) in social psychology, although it is also appropriate for upper-level undergraduate courses in social psychology and for doctoral students in

disciplines connecting to social psychology (e.g., marketing, organizational behavior). The authors of the chapters are world-renowned leaders on their topic, and they have written these chapters to be engaging and accessible to students who are just learning the discipline. After reading this book, you will be able to understand almost any journal article or conference presentation in any field of social psychology. You will be able to converse competently with most social psychologists in their primary research domain, a use skill that is relevant not only in daily life but also when interviewing for a faculty position. And, most importantly, you will be equipped with the background knowledge to forge ahead more confidently with your own research.

Troisième Conférence Internationale Sur la Vasopressine - Serge Jard 1991

Advances in Psychodynamic Psychiatry - César A. Alfonso 2018-11-30

Bringing together important articles from *Psychodynamic Psychiatry*, this volume shows how contemporary practitioners are using a multidimensional biopsychosocial approach to increase the robustness of clinical research and the effectiveness of patient care. Chapters review cutting-edge approaches to formulating anxiety and mood disorders, eating disorders, traumatic grief, substance use and addictive behaviors, obsessive-compulsive disorder, personality disorders, schizophrenia, somatic symptom disorders, and trauma and stressor-related disorders. Treatment of specific populations is addressed, including infants and parents, children, spouses of the chronically ill, survivors of intimate partner violence, criminal offenders, and the elderly. Featuring rich case illustrations, the book integrates psychoanalytic concepts with advances in knowledge about neuroscience, gene-environment interactions, and the physiological impact of adversity.

Oxford Handbook of Neuroethics - Judy Illes 2013-02-21

A landmark in the scientific literature, the *Oxford Handbook of Neuroethics* presents a pioneering review of a topic central to the biosciences. It breaks new ground in bringing together leading neuroscientists, philosophers, and lawyers to tackle some of the most significant ethical issues that face us now and will continue to do so.

Schizophrenia Genesis - Irving I. Gottesman 1990-09-15

Sorting out fact from fiction, one of the world's leading experts presents an absorbing account of what is actually known about the complex subject of schizophrenia.

Aggression - 2011-11-09

Genes interact with the environment, experience, and biology of the brain to shape an animal's behavior. This latest volume in *Advances in Genetics*, organized according to the most widely used model organisms, describes the latest genetic discoveries in relation to neural circuit development and activity. Explores the latest topics in neural circuits and behavior research in zebrafish, drosophila, *C.elegans*, and mouse models. Includes methods for testing with ethical, legal, and social implications. Critically analyzes future prospects. *Posterior Pituitary Hormones: Advances in Research and Application: 2011 Edition* - 2012-01-09. *Posterior Pituitary Hormones: Advances in Research and Application: 2011 Edition* is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Posterior Pituitary Hormones in a concise format. The editors have built *Posterior Pituitary Hormones: Advances in Research and Application: 2011 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about Posterior Pituitary Hormones in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of *Posterior Pituitary Hormones: Advances in Research and Application: 2011 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Using Eye Movements as an Experimental Probe of Brain Function - R. John Leigh 2008-09-02

This volume of *Progress in Brain Research* is based on the proceedings of a conference, "Using Eye Movements as an Experimental Probe of Brain Function," held at the Charing Cross Hospital Campus of Imperial College London, UK on 5th -6th December, 2007 to honor Professor Jean Büttner-Ennever. With 87

contributions from international experts – both basic scientists and clinicians – the volume provides many examples of how eye movements can be used to address a broad range of research questions. Section 1 focuses on extraocular muscle, highlighting new concepts of proprioceptive control that involve even the cerebral cortex. Section 2 comprises structural, physiological, pharmacological, and computational aspects of brainstem mechanisms, and illustrates implications for disorders as diverse as opsoclonus, and congenital scoliosis with gaze palsy. Section 3 addresses how the cerebellum transforms neural signals into motor commands, and how disease of such mechanisms may lead to ataxia and disorders such as oculopalatal tremor. Section 4 deals with sensory-motor processing of visual, vestibular, somatosensory, and auditory inputs, such as are required for navigation, and gait. Section 5 illustrates how eye movements, used in conjunction with single-unit electrophysiology, functional imaging, transcranial magnetic stimulation, and lesion studies have illuminated cognitive processes, including memory, prediction, and even free will. Section 6 includes 18 papers dealing with disorders ranging from congenital to acquired forms of nystagmus, genetic and degenerative neurological disorders, and treatments for nystagmus and motion sickness. * Clinicians will find important new information on the substrate for spinocerebellar ataxia, late-onset Tay-Sachs disease, Huntington disease, and pulvinar lesions * Organizes multiple articles on such topics as proprioception, short and longer-term memory, and hereditary cerebellar ataxias for a more coherent presentation * Articles on anatomic tracers, functional imaging, and computational neuroscience are illustrated in color

Sperling Pediatric Endocrinology E-Book - Mark A. Sperling 2020-07-22

An ideal resource for both pediatricians and endocrinologists, *Sperling's Pediatric Endocrinology*, 5th Edition, brings you fully up to date with accelerating research; new discoveries in metabolic, biochemical and molecular mechanisms; and the resulting advances in today's clinical care. The editorial team of world-renowned pediatric endocrinologists led by Dr. Mark Sperling, as well as expert contributing authors, cover comprehensive and current aspects of both basic science and clinical practice. Whether you're preparing for certification or have extensive clinical experience, this detailed, authoritative reference helps you increase your knowledge and determine the best possible course for every patient. Delivers trusted guidance in every area of the field: including Endocrine Disorders of the Newborn, Endocrine Disorders of Childhood and Adolescence, and Laboratory Tests. Features new topics such as transgender issues in children and adolescents and endocrinology of pregnancy, the fetus and the placenta. Offers expert coverage of hot topics such as disorders of sexual development, molecular basis of endocrine disorders, hypoglycemia in newborns and infants; neonatal and other monogenic forms of diabetes; Type I and Type II diabetes and their treatment with new insulins together with the progress in an artificial pancreas and new medications for T2DM in adolescents; the obesity epidemic and role of bariatric surgery; and advances toward personalized medicine. Includes easy-to-follow algorithms and numerous quick-reference tables and boxes in every clinical chapter, plus interactive questions online for self-assessment. Offers state-of-the-art information and fresh perspectives from new and award-winning authors in such areas as disorders of growth, multiple endocrine tumors, and puberty and its disorders in girls and boys.

Glaucoma: An Open-Window to Neurodegeneration and Neuroprotection - Carlo Nucci 2008-11-21
Glaucoma is one of the main causes of blindness throughout the world. It is characterized by death of the retinal ganglion cells, which is associated with loss of the axons making up the optic nerve. Recent studies have demonstrated support for the classification of glaucoma as a degenerative disease of the central nervous system (CNS). The search for treatment modalities that are effective for all patients with glaucoma has resulted in numerous studies aimed at identifying neuroprotection strategies for the treatment of this disease, like those used for other degenerative diseases of the CNS. The present book will provide an in-depth examination of the most recent findings regarding glaucoma, including risk factors, diagnosis, clinical monitoring, treatment, and above all, the need for treatment based on the concept of neuroprotection. A large part of the book is devoted to research related to this new approach to the treatment of glaucoma. Aspects that will be analyzed include experimental models of glaucoma, clinical protocols for the study of neuroprotective therapies, mechanisms underlying glaucomatous damage to neurons of the retina and other "stations" in the visual pathways of the CNS, and finally proposals for new strategies for preventing neuronal injury in glaucoma patients. * Describes the most recent developments on neuroprotection of the optic nerve, including experimental models now used and clinical protocols * Discusses new strategies for the prevention of neuronal injury in glaucoma patients * Focuses on evidence-based risk factors, innovative diagnostic aspects and advanced medical/surgical treatment of glaucoma

Oxford Textbook of Endocrinology and Diabetes - John A.H. Wass 2011-07-28

Now in its second edition, the *Oxford Textbook of Endocrinology and Diabetes* is a fully comprehensive, evidence-based, and highly-valued reference work combining basic science with clinical guidance, and providing first rate advice on diagnosis and treatment.

Advances in Autism Research - Antonio Narzisi 2021-06-08

This book represents one of the most up-to-date collections of articles on clinical practice and research in the field of Autism Spectrum Disorders (ASD). The scholars who contributed to this book are experts in their field, carrying out cutting edge research in prestigious institutes worldwide (e.g., Harvard Medical School, University of California, MIND Institute, King's College, Karolinska Institute, and many others). The book addressed many topics, including (1) The COVID-19 pandemic; (2) Epidemiology and prevalence; (3) Screening and early behavioral markers; (4) Diagnostic and phenotypic profile; (5) Treatment and intervention; (6) Etiopathogenesis (biomarkers, biology, and genetic, epigenetic, and risk factors); (7) Comorbidity; (8) Adulthood; and (9) Broader Autism Phenotype (BAP). This book testifies to the complexity of performing research in the field of ASD. The published contributions underline areas of progress and ongoing challenges in which more certain data is expected in the coming years. It would be desirable that experts, clinicians, researchers, and trainees could have the opportunity to read this updated text describing the challenging heterogeneity of Autism Spectrum Disorder.

What's Love Got to Do with it: The Evolution of Monogamy - Alexander G. Ophir 2020-06-25

Neurobiology of Oxytocin - Detlev Ganten 2012-12-06